

Fahmida Irin

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,844
citations

471371

17
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

3312
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersions of Non-Covalently Functionalized Graphene with Minimal Stabilizer. ACS Nano, 2012, 6, 8857-8867.	7.3	330
2	Polymer-stabilized graphene dispersions at high concentrations in organic solvents for composite production. Carbon, 2012, 50, 526-534.	5.4	262
3	Interaction of carbon nanohorns with plants: Uptake and biological effects. Carbon, 2015, 81, 607-619.	5.4	196
4	High-Performance Pristine Graphene/Epoxy Composites With Enhanced Mechanical and Electrical Properties. Macromolecular Materials and Engineering, 2013, 298, 339-347.	1.7	156
5	Challenges in Liquid-Phase Exfoliation, Processing, and Assembly of Pristine Graphene. Advanced Materials, 2016, 28, 8796-8818.	11.1	123
6	Rheology and Morphology of Pristine Graphene/Polyacrylamide Gels. ACS Applied Materials & Interfaces, 2013, 5, 8633-8640.	4.0	120
7	Non-covalent functionalization of pristine few-layer graphene using triphenylene derivatives for conductive poly (vinyl alcohol) composites. Polymer, 2012, 53, 2485-2494.	1.8	101
8	Tailored Crumpling and Unfolding of Spray-Dried Pristine Graphene and Graphene Oxide Sheets. Small, 2015, 11, 2661-2668.	5.2	78
9	Detection of carbon nanotubes in biological samples through microwave-induced heating. Carbon, 2012, 50, 4441-4449.	5.4	71
10	Vertical transport and plant uptake of nanoparticles in a soil mesocosm experiment. Journal of Nanobiotechnology, 2016, 14, 40.	4.2	64
11	Multiwalled Carbon Nanotubes Dramatically Affect the Fruit Metabolome of Exposed Tomato Plants. ACS Applied Materials & Interfaces, 2017, 9, 32430-32435.	4.0	61
12	Determination of multi-walled carbon nanotube bioaccumulation in earthworms measured by a microwave-based detection technique. Science of the Total Environment, 2013, 445-446, 9-13.	3.9	59
13	Direct exfoliation of graphene in ionic liquids with aromatic groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 463, 63-69.	2.3	51
14	Determination of uptake, accumulation, and stress effects in corn (<i>Zea mays</i> L.) grown in single-wall carbon nanotube contaminated soil. Chemosphere, 2016, 152, 117-122.	4.2	37
15	Adsorption and removal of graphene dispersants. Journal of Colloid and Interface Science, 2015, 446, 282-289.	5.0	29
16	Ultralow Percolation Threshold in Aerogel and Cryogel Templated Composites. Langmuir, 2013, 29, 11449-11456.	1.6	28
17	Trophic Transfer and Accumulation of Multiwalled Carbon Nanotubes in the Presence of Copper Ions in <i>Daphnia magna</i> and Fathead Minnow (<i>Pimephales promelas</i>). Environmental Science & Technology, 2018, 52, 794-800.	4.6	18
18	Effect of dsDNA wrapped single-walled carbon nanotubes on the thermal and mechanical properties of polycaprolactone and polyglycolide fiber blend composites. Polymer, 2015, 56, 476-481.	1.8	14

#	ARTICLE	IF	CITATIONS
19	Graphene non-covalently tethered with magnetic nanoparticles. <i>Carbon</i> , 2014, 72, 192-199.	5.4	12
20	Effect of pseudomonas lipase enzyme on the degradation of polycaprolactone/polycaprolactone-polyglycolide fiber blended nanocomposites. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 360-367.	1.8	11
21	Electrical current stimulated desorption of carbon dioxide adsorbed on graphene based structures. <i>RSC Advances</i> , 2016, 6, 43401-43407.	1.7	10
22	Photodegradation of dispersants in colloidal suspensions of pristine graphene. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 425-431.	5.0	8
23	Graphene reflux: improving the yield of liquid-exfoliated nanosheets through repeated separation techniques. <i>Nanotechnology</i> , 2016, 27, 505601.	1.3	4
24	Non-destructive technique for broadband characterization of carbon nanotubes at microwave frequencies. <i>Journal of Electromagnetic Waves and Applications</i> , 2013, 27, 1372-1381.	1.0	1